

[54] **PROCESS AND APPARATUS FOR JOINING CARPETING**

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[58] Field of Search ..... 156/152, 304.1, 304.3, 156/304.4, 304.6, 304.7, 391, 505, 509, 524, 526, 575, 577, 578, 579; 401/130, 131, 139, 263, 266; 118/271, 207, 101; 222/146.2, 323, 325, 330, 473, 482

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

1,150,536	8/1915	Reiser et al.	401/263
1,395,635	11/1921	Finizio	219/245
1,743,474	1/1930	Norfolk	156/391
1,924,551	8/1933	Higgins	156/391

3,007,837	11/1961	Goode, Jr.	156/575
3,279,971	10/1966	Gardener	401/266
3,365,746	1/1968	Gott	401/139
3,713,947	1/1973	Hawkins	156/578
4,069,087	1/1978	Luke et al.	156/391
4,220,114	9/1980	Radowicz	156/578

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[57] **ABSTRACT**

A process and apparatus for joining two abutting pieces of carpet. The process comprises applying to the carpet backing along both sides of the juncture a strip of hot molten glue at about 210°–425° F. and applying a joining tape to the strip of molten glue, pressing together the tape, glue and carpet backing to cause the glue to soften and penetrate both the tape and the backing, and allow the glue to cool and solidify into a fused and unitary bond. The apparatus comprises a hot glue dispensing gun with a nozzle and a glue applicator attached to the nozzle for uniformly dispensing a strip of glue, a roll of joining tape fed from above and adjacent to the applicator, and a spring loaded roller to press the tape onto the top of the glue strip.

**21 Claims, 14 Drawing Figures**

